

Abstract:

Method for Controlling the Pressure Buildup in an Electronically Controllable Brake System

The invention relates to a method for controlling the pressure buildup in an electronically controllable brake system, preferably for use in motor vehicles, including a master brake cylinder, in particular a tandem master brake cylinder (TMC), a vacuum brake booster (booster), at least one additional pressure source for brake force assistance, preferably a hydraulic pump which is drivable by a controlling unit and the pressure of which can be applied to wheel brakes of the vehicle, which method is characterized in that an approach of a point where the auxiliary-force to actuating-force ratio (operating point) of the vacuum brake booster (booster) falls below a predetermined ratio is detected, that a pressure gradient in the master brake cylinder (TMC pressure gradient) is detected, and that in the event of a detected approach of the operating point of the booster and when a pressure gradient limit.value of the detected TMC pressure gradient is exceeded, the additional pressure source is activated for brake force assistance, for the purpose of building up additional brake pressure.